



25th Anniversary Meeting

& International Conference

**"Challenges in Coastal Hydrology and
Water Quality"**

May 21-24, 2006

Baton Rouge, Louisiana

CONFERENCE INTENT

More than half the world's population lives within a distance of 100 km from the coastline, and this number is expected to increase by 25% in the coming two decades. The population growth and urbanization have largely altered the natural pathways of coastal waters that are vital to the coastal environment. As most of the water on land surface enters into the oceans, man's activities in both coastal and inland watersheds have led to increased loading of sediment, toxic substances, nutrients and pathogens with subsequent eutrophication, algal blooms, and hypoxia. Climate change has led to the rise in sea level with loss of coastal wetlands and to increased saltwater intrusion. The recent tsunami in the Indian Ocean has again alarmed man's vulnerability to nature. World's coasts are facing increasingly serious environmental challenges, while it is not clear how to fully measure the complexities of coastal systems.

This conference aims to provide an international forum for the dissemination and exchange of information in coastal hydrology, hydraulics and water quality. The conference will stimulate interdisciplinary research, education, management, and policy making from physical, biogeochemical, and socioeconomic perspec-

tives related to complex environmental systems in coastal regions. Discussions will also take place on hydraulic engineering and structures in coastal areas, which are frequently densely populated or sites of major industrial development. The topic of coastal petroleum and land subsidence will also be addressed.

Technical presentations and poster sessions will be used to document and transfer information throughout the conference. The program will also include keynote speakers, plenary sessions, short courses, field trips and the AIH Annual Business Meeting.

Three major awards will be presented: the Ray K. Linsley Award, the C.V. Theis Award and the AIH Founders Award. Awards also will be given to students participating in the conference who have been judged for best poster and oral presentation.

TECHNICAL PROGRAM

The technical program for the 2006 Conference will cover all disciplines of hydrology with emphasis on the combined application of these disciplines to address complex water resource management issues. Integrated hydrology themes that should be considered by potential speakers include:

- Hydrologic and Coastal Processes
- Hydrological Pathway from Terrestrial to Coastal Ecosystems
- Large River Engineering and Management
- Fluvial Processes and Sedimentation
- Flood Control and Disaster Assessment
- Surface and Ground Water Interaction in Coastal Regions
- Fresh Water Resources and Saltwater Intrusion
- Eutrophication and Hypoxia in Coastal Waters
- Coastal Erosion
- Coastal Wetlands and Floodplains
- Coastal Wetland Restoration
- GIS Applications in Coastal Hydrology Studies
- Extreme Weathers
- Socioeconomic Impacts of Extreme Weathers
- Potential Global Change Effects on Coastal Water Resources
- Coastal Water Quality and TMDLs

WHO SHOULD ATTEND

This conference is recommended for scientists and engineers in all fields of the hydrologic sciences, government officials with environmental responsibilities, land-use planners, students of hydrology, hydrologists wishing to become registered, and all other persons dealing with water-related issues. This conference will provide a forum for discussion and exchange of information on a broad spectrum of areas in hydrology, hydrogeology, water-quality, water resources, planning and management, aquatic and marine biology, and climatology.

EXHIBITS

For information on displaying your product or service at this conference, please contact the AIH office directly at 770-384-1634 or send an email to aihydro@aol.com.

CONFERENCE COMMITTEES

Chairpersons:

- Vijay Singh
Louisiana State University
- Y. Jun Xu
Louisiana State University

Members:

- Pinki Diwan, LSU Foundation
- Jane Hess, BRACVB
- Pat Leahy, USGS
- Miguel Marino, UC, Davis
- Larry Rouse, Louisiana State University
- Daniel Thomas, Louisiana State University
- Clinton Willson, Louisiana State University

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CALL FOR PAPERS

To participate in this Special Occasion and present a paper, please submit a 250-word abstract of your paper to AIH Headquarters by **July 15, 2005**. Speakers will be notified of their acceptance by August 15, 2005.

Approved papers will be printed in AIH's Conference Proceedings prior to the conference, for distribution at the conference. Accepted, complete papers must be submitted to AIH Headquarters no later than **March 1, 2006**.

Abstracts must include the title of the paper, as well as each author's name, affiliation, address, telephone, fax, and email address. Please indicate your presentation preference (oral or poster) and the name of the presenter. Authors of accepted abstracts will receive instructions for the preparation of full-length camera-ready manuscripts. All papers will be peer-reviewed and published in book form.

CONFERENCE VENUE

The conference will be held at:

Holiday Inn Select & Executive Center
4728 Constitution Avenue
Baton Rouge Louisiana

The conference rate will be \$81 plus tax (USD) per night, for single or double occupancy. Rooms must be reserved before **April 19, 2006** by directly calling:

800-678-4065 or 225-925-2244

Online at www.holiday-inn.com (Code C94)

Please indicate that you are participating in the AIH Conference, Block Code C94.

AIH CONTACT INFORMATION

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